

Title (en)
Screw-press.

Title (de)
Schneckenpresse.

Title (fr)
Presse à vis.

Publication
EP 0451348 B1 19940622 (DE)

Application
EP 90123514 A 19901207

Priority
DE 4011249 A 19900406

Abstract (en)
[origin: EP0451348A1] Screw press 1 for pressing fibrous material, in particular waste paper, with a pressing screw 3, which is floatingly mounted, whose conical pressing part 5 runs in a press insert 7 of a nozzle 6 with a small circumferential gap 10. The press insert 7 has, as seen in the conveying direction 11, a front, tapering region 12, in which lands 22 and grooves 23 are incorporated and an adjoining, slightly widening outlet region 13 with an outlet orifice 14 to which are closely connected the jaws 8, 8' of a pressing clamp 9. Beginning at the outlet orifice 14 in a horizontal axial plane 20 of the nozzle 6 is a clearance 19 which extends outwards and against the conveying direction 11 to the compaction zone 17 of the nozzle 6, with a re-entrant, wide rim 26 on the outside at which an extension 21 of the movable jaw 8' of the pressing clamp 9 comes into contact with the inner edge 33' and whose movement, which is controlled by an actuator via a linkage, has an axial component and a radial component, by means of which the pressure on the material being pressed is controlled in such a way that the jaw 8' remains against the rim 26.

IPC 1-7
B30B 11/24; **B30B 9/30**

IPC 8 full level
B30B 3/00 (2006.01); **B30B 9/28** (2006.01); **B30B 9/30** (2006.01); **B30B 11/22** (2006.01); **B30B 11/24** (2006.01); **D21B 1/00** (2006.01)

CPC (source: EP)
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Cited by
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EP 0451348 A1 19911016; **EP 0451348 B1 19940622**; AT E107577 T1 19940715; DE 4011249 A1 19911010; DE 59006236 D1 19940728; ES 2056352 T3 19941001; HU 210643 B 19950628; HU 911093 D0 19911028; HU T60665 A 19921028; JP 3167345 B2 20010521; JP H06170599 A 19940621

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